

receiving at least one channel select command from one of a plurality of remote control devices associated with a respective one of the plurality of televisions, wherein at least a first one of the plurality of remote control devices is a wireless remote control device that transmits the channel select command as a wireless signal;

receiving the wireless signal from the first one of the plurality of remote control devices at a remote antennae package connected to the first one of the plurality of televisions;

transmitting the wireless signal from the remote antennae package over media;

receiving the wireless signal from the media at a remote antennae module located in close proximity to the residential gateway;

demodulating the wireless signal and extracting the portion corresponding to the channel select command;

transmitting the channel select command to the residential gateway;

receiving a video signal from a telecommunications network in response to the at least one channel select command;

constructing, from the video signal, at least one series of video packets corresponding to the at least one channel select command;

transporting the at least one series of video packets over a video packet bus to a plurality of video decoders; and

decoding the at least one series of video packets to produce at least one television signal, the decoding performed by at least one of the plurality of video decoders,

wherein said receiving the wireless signal includes receiving an approximately 433 MHz wireless signal from the first one of the plurality of remote control devices at a remote antennae package connected to the first one of the plurality of televisions.

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47. (Amended) A residential gateway for distributing video signals to a plurality of televisions locatable within at least two separate locations in a residential environment, said residential gateway comprising:

a plurality of remote control devices associated with a respective one of the plurality of televisions for transmitting channel select commands, wherein at least a first one of the plurality of remote control devices is a wireless remote control device that transmits the channel select command as a wireless signal;

a remote antennae package connected to the first one of the plurality of televisions associated with the first one of the plurality of remote control devices, the remote antennae package receiving the wireless signal and transmitting the wireless signal over media;

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a remote antennae module for receiving the wireless signal from the remote antennae package, demodulating the wireless signal, extracting the portion corresponding to the channel select command, and transmitting the channel select command to the residential gateway;

a network interface module for receiving signals including video signals from a telecommunications network, wherein the received video signals correspond to the channel select commands;

means for constructing at least one series of video packets from the received video signals;

a plurality of video processors for decoding the at least one series of video packets to produce at least one television signal; and

a video packet bus for transporting the at least one series of video packets to said plurality of video processors,

wherein the wireless signal has a frequency of approximately 433 MHz.

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18. (Amended) A residential gateway for distributing video signals to a plurality of televisions locatable within at least two separate locations in a residential environment, said residential gateway comprising:

 a plurality of remote control devices associated with a respective one of the plurality of televisions for transmitting channel select commands, wherein at least a first one of the plurality of remote control devices is a wireless remote control device that transmits the channel select command as a wireless signal;

 a remote antennae package connected to the first one of the plurality of televisions associated with the first one of the plurality of remote control devices, the remote antennae package receiving the wireless signal and transmitting the wireless signal over media;

 a remote antennae module for receiving the wireless signal from the remote antennae package, demodulating the wireless signal, extracting the portion corresponding to the channel select command, and transmitting the channel select command to the residential gateway;

 a network interface module for receiving signals including video signals from a telecommunications network, wherein the received video signals correspond to the channel select commands;

 means for constructing at least one series of video packets from the received video signals;

 a plurality of video processors for decoding the at least one series of video packets to produce at least one television signal; and

 a video packet bus for transporting the at least one series of video packets to said plurality of video processors,

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wherein the channel select command is extracted from the wireless signal as an approximately 1 KHz signal.

26. (Amended) A method for receiving and decoding signals from a telecommunications network at a residential gateway, and transmitting decoded signals from the residential gateway to a plurality of devices including multiple televisions, the method comprising:

connecting the residential gateway to the telecommunications network and to each of the plurality of devices so that all communications between the devices and the telecommunications network must pass through the residential gateway, wherein a first one of the multiple televisions can be directly coupled to and located in close proximity to the residential gateway;

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selecting a television channel to view for at least one of the multiple televisions by programming an associated remote control device to transmit a channel select command, wherein each of the multiple televisions have an associated remote control device, the remote control device associated with the first television transmits the channel select command to a receiver within the residential gateway;

transmitting the at least one channel select command to the telecommunications network;

receiving a video signal from the telecommunications network corresponding to the at least one channel select command;

converting the video signal into at least one series of video packets;

decoding the at least one series of video packets into at least one television signal, the decoding performed by at least one of a plurality of video decoders; and

transmitting the at least one television signal to the appropriate television,

wherein said connecting the residential gateway includes connecting the residential gateway to the first television with an S-video cable.

27. (Amended) A method for receiving and decoding signals from a telecommunications network at a residential gateway, and transmitting decoded signals from the residential gateway to a plurality of devices including multiple televisions, the method comprising:

connecting the residential gateway to the telecommunications network and to each of the plurality of devices so that all communications between the devices and the telecommunications network must pass through the residential gateway, wherein a first one of the multiple televisions can be directly coupled to and located in close proximity to the residential gateway;

selecting a television channel to view for at least one of the multiple televisions by programming an associated remote control device to transmit a channel select command, wherein each of the multiple televisions have an associated remote control device, the remote control device associated with the first television transmits the channel select command to a receiver within the residential gateway;

transmitting the at least one channel select command to the telecommunications network;

receiving a video signal from the telecommunications network corresponding to the at least one channel select command;

converting the video signal into at least one series of video packets;

decoding the at least one series of video packets into at least one television signal, the decoding performed by at least one of a plurality of video decoders; and

transmitting the at least one television signal to the appropriate television,

wherein said transmitting the at least one television signal includes transmitting the television signal associated with the first television to the first television as an S-video signal.

28. (Amended) A method for receiving and decoding signals from a telecommunications network at a residential gateway, and transmitting decoded signals from the residential gateway to a plurality of devices including multiple televisions, the method comprising:

connecting the residential gateway to the telecommunications network and to each of the plurality of devices so that all communications between the devices and the telecommunications network must pass through the residential gateway, wherein a first one of the multiple televisions can be directly coupled to and located in close proximity to the residential gateway;

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selecting a television channel to view for at least one of the multiple televisions by programming an associated remote control device to transmit a channel select command, wherein each of the multiple televisions have an associated remote control device, the remote control device associated with the first television transmits the channel select command to a receiver within the residential gateway;

transmitting the at least one channel select command to the telecommunications network;

receiving a video signal from the telecommunications network corresponding to the at least one channel select command;

converting the video signal into at least one series of video packets;

decoding the at least one series of video packets into at least one television signal, the decoding performed by at least one of a plurality of video decoders; and

transmitting the at least one television signal to the appropriate television,

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wherein said selecting a television channel includes selecting a television channel for at least one of the other televisions by programming at least one associated wireless remote control device, the at least one associated remote control device transmitting the channel select command as a wireless signal.

32. (Amended) A residential gateway for receiving and decoding signals from a telecommunications network and transmitting decoded signals to a plurality of devices including multiple televisions, the residential gateway comprising:

a network interface module for receiving the signals, including video signals, from the telecommunications network;

means for converting the video signal into at least one series of video packets;

a plurality of video decoders for decoding the at least one series of video packets into at least one television signal corresponding to at least one channel select command, and transmitting the at least one television signal to the corresponding television; and

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a receiver for receiving channel select commands from a first remote control device associated with a first one of the multiple televisions that can be directly coupled to and in close proximity to the residential gateway,

wherein said receiver is an optical receiver and the first remote control device is an optical remote control device.

33. (Amended) A residential gateway for receiving and decoding signals from a telecommunications network and transmitting decoded signals to a plurality of devices including multiple televisions, the residential gateway comprising:

a network interface module for receiving the signals, including video signals, from the telecommunications network;

means for converting the video signal into at least one series of video packets;
a plurality of video decoders for decoding the at least one series of video packets
into at least one television signal corresponding to at least one channel select command, and
transmitting the at least one television signal to the corresponding television;
a receiver for receiving channel select commands from a first remote control
device associated with a first one of the multiple televisions that can be directly coupled to and in
close proximity to the residential gateway; and
a S-video connector for connecting the first television to the residential gateway.

34. (Amended) A residential gateway for receiving and decoding signals from
a telecommunications network and transmitting decoded signals to a plurality of devices
including multiple televisions, the residential gateway comprising:

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a network interface module for receiving the signals, including video signals,
from the telecommunications network;
means for converting the video signal into at least one series of video packets;
a plurality of video decoders for decoding the at least one series of video packets
into at least one television signal corresponding to at least one channel select command, and
transmitting the at least one television signal to the corresponding television; and
a receiver for receiving channel select commands from a first remote control
device associated with a first one of the multiple televisions that can be directly coupled to and in
close proximity to the residential gateway,
wherein said video decoder associated with the first television decodes a series of
video streams associated with the first television into S-video signals and transmits the S-video
signals to the first television.

35. (Amended) A residential gateway for receiving and decoding signals from a telecommunications network and transmitting decoded signals to a plurality of devices including multiple televisions, the residential gateway comprising:

a network interface module for receiving the signals, including video signals, from the telecommunications network;

means for converting the video signal into at least one series of video packets;

a plurality of video decoders for decoding the at least one series of video packets into at least one television signal corresponding to at least one channel select command, and transmitting the at least one television signal to the corresponding television;

a receiver for receiving channel select commands from a first remote control device associated with a first one of the multiple televisions that can be directly coupled to and in close proximity to the residential gateway, and

a remote control module for receiving and processing channel select commands.

36. (Amended) A residential gateway for receiving and decoding signals from a telecommunications network and transmitting decoded signals to a plurality of devices including multiple televisions, the residential gateway comprising:

a network interface module for receiving the signals, including video signals, from the telecommunications network;

means for converting the video signal into at least one series of video packets;

a plurality of video decoders for decoding the at least one series of video packets into at least one television signal corresponding to at least one channel select command, and transmitting the at least one television signal to the corresponding television;

a receiver for receiving channel select commands from a first remote control device associated with a first one of the multiple televisions that can be directly coupled to and in close proximity to the residential gateway; and

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a remote antennae package connected to a second television, wherein said remote antennae package receives a channel select command from an associated wireless remote control device as a wireless signal and transmits the wireless signal over media.

39. (Amended) A method for receiving and decoding signals from a telecommunications network at a residential gateway, and transmitting the decoded signals from the residential gateway to a plurality of devices including multiple televisions, the method comprising:

connecting the residential gateway to the telecommunications network and to each of the plurality of devices that will communicate with the telecommunications network through the residential gateway;

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selecting a television channel to view for at least one of the multiple televisions by programming an associated remote control device to transmit a channel select command, wherein at least one of the remote control devices transmits the channel select command directly to a receiver within the residential gateway;

transmitting the at least one channel select command to the telecommunications network;

receiving a video signal from the telecommunications network corresponding to the at least one channel select command;

decoding the video signal into at least one television signal, the decoding performed by at least one of a plurality of video decoders; and

transmitting the at least one television signal to the appropriate television,

wherein the at least one remote control device is an infrared remote control device and the receiver is an infrared receiver.

9 40. (Amended) A method for receiving and decoding signals from a telecommunications network at a residential gateway, and transmitting the decoded signals from the residential gateway to a plurality of devices including multiple televisions, the method comprising:

connecting the residential gateway to the telecommunications network and to each of the plurality of devices that will communicate with the telecommunications network through the residential gateway;

selecting a television channel to view for at least one of the multiple televisions by programming an associated remote control device to transmit a channel select command, wherein at least one of the remote control devices transmits the channel select command directly to a receiver within the residential gateway;

transmitting the at least one channel select command to the telecommunications network;

receiving a video signal from the telecommunications network corresponding to the at least one channel select command;

decoding the video signal into at least one television signal, the decoding performed by at least one of a plurality of video decoders; and

transmitting the at least one television signal to the appropriate television, wherein the subset of televisions have a remote antennae package connected thereto and said selecting a television channel includes selecting a television channel for each of the remotely located televisions by programming the associated wireless remote control device to transmit a channel select command as a wireless signal to the remote antennae package, the

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